

**INFORMATION DISCLOSURE CITATION**  
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ATTY DOCKET NO.  
**USUI-13R**

SERIAL NO.

APPLICANT(S) **Ryuichi Kusanagi**

FILING GROUP  
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DB	4,832,376	5-1989	Sugao			
	4,893,601	1-1990	Sugao			
	4,900,180	2-1990	Takikawa			
	5,120,084	6-1992	Hashimoto			
	5,143,410	9-1992	Takikawa			
	5,169,182	12-1992	Hashimoto			
	5,172,939	12-1992	Hashimoto			
	5,667,255	9-1997	Kato			
	5,887,910	3-1999	Usui			
	5,903,964	5-1999	Uematsu et al.			
DB	5,957,507	9-1999	Asada			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
DB	2-80289	1990	Japan				✓
	3-177693	1991	Japan				✓
DB	4-175462	1992	Japan				✓

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Daniel Bal*

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*2/7/05*

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DJS	5,979,945	11-1999	Hitachi et al.			
	5,992,904	11-1999	Hitachi et al.			
	6,050,611	4-2000	Asada			
	6,070,618	6-2000	Iwabuchi			
	6,126,208	10-2000	Asada et al.			
	6,397,881	6-2002	Asada et al.			
	6,408,826	6-2002	Asada et al.			
	6,415,768	7-2002	Usui			
	6,463,909	10-2002	Asada et al.			
DJS	6,494,183	12-2002	Usui et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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